

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)		Docket No. ACAD/0002	Serial No. 10/612,594 Unknown
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Applicant Hwang et al.	Confirmation No.: Unknown
(Use several sheets if necessary)		Filing Date Herewith	Group Unknown 1636
Examiner Unknown Michele Joike			

U.S. Patent Documents

*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
MKJ	A1	6,083,690	07/04/00	Harris et al.	435	6	06/02/95
↓	A2	6,159,696	12/12/00	Dijkema et al.	435	6	11/20/97
↓	A3	6,379,961	04/30/02	Jessell et al.	435	377	09/20/96
↓	A4	6,458,944	10/01/02	Kawai et al.	536	23.5	04/22/99
↓	A5	6,475,735	11/05/02	Sugiura	435	6	04/22/99

OTHER ART

*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.
MKJ	B1	Alexander, et al., "Screening Mosaic F1 Females for Mutations Affecting Zebrafish Heart Induction and Patterning", <u>Dev. Genet.</u> , 22:288-299 (1998)
↓	B2	Amsterdam et al., "The Aequorea Victoria green fluorescent protein can be used as a reporter in live zebrafish embryos", <u>Dev. Biol.</u> , 171:123-129 (1995)
↓	B3	Blader et al., "Cleavage of the BMP-4 Antagonist Chordin by Zebrafish Tolloid", <u>Science</u> , 278:1937-1940 (1997)
↓	B4	Carvajal et al., "A BAC transgenic analysis of the Mrf4/Myf5 locus reveals interdigitated elements that control activation and maintenance of gene expression during muscle development", <u>Development</u> , 128:1857-1868 (2001)
↓	B5	Chen et al., "Left-right pattern of cardiac BMP4 may drive asymmetry of the heart in zebrafish", <u>Development</u> , 124:4373-4382 (1997)
↓	B6	Chin et al., "Bone morphogenetic protein-4 expression characterizes inductive boundaries in organs of developing zebrafish", <u>Dev. Genes. Evol.</u> , 202:107-114 (1997)
↓	B7	Culp et al., "High-frequency germ-line transmission of plasmid DNA sequences injected into fertilized zebrafish eggs", <u>Proc. Natl. Acad. Sci. USA</u> , 88:7953-7957 (1991)
↓	B8	Donovan et al., "Rapid Purification of Bacteriophage λ DNA", <u>BioTechniques</u> , 15:602:603 (1993)
↓	B9	Feng et al., "The mouse bone morphogenetic protein-4 gene: analysis of promoter utilization in fetal rat calvarial osteoblasts and regulation by COUP-TFI orphan receptor", <u>J. Biol. Chem.</u> , 270:28364-28373 (1995)
↓	B10	Fu et al., "Viral sequences enable efficient and tissue-specific expression of transgenes in Xenopus", <u>Nature Biotech.</u> , 16:253:257 (1998)

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MKJ	B11	Gaussin et al., "Endocardial cushion and myocardial defects after cardiac myocyte-specific conditional deletion of the bone morphogenetic protein receptor ALK3", <u>Proc. Natl. Acad. Sci. USA</u> , 99:2878-2883 (2002)					
	B12	Gong, Z. and Hew, C., "Transgenic Fish in Aquaculture and Developmental Biology", <u>Curr. Topics Dev. Biol.</u> , 30:177-214 (1995)					
	B13	Hammerschmidt et al., "Genetic analysis of dorsoventral pattern formation in the zebrafish: requirement of a BMP-like ventralizing activity and its dorsal repressor", <u>Genes. Dev.</u> , 10:2452-2461 (1996)					
	B14	Hogan, B., "Bone morphogenic proteins in development", <u>Curr. Opin. Genet. Dev.</u> , 6:432-438 (1996a)					
	B15	Hogan, B., "Bone morphogenic proteins: multifunctional regulators of vertebrate development", <u>Curr. Opin. Genet. Dev.</u> , 10:1580-1594 (1996b)					
	B16	Hsiao et al., "Enhanced Expression and Stable Transmission of Transgenes Flanked by Inverted Terminal Repeats From Adeno-Associated Virus in Zebrafish", <u>Dev. Dynam.</u> , 220:323-336 (2001)					
	B17	Hu, et al., "Structure and Function of the Developing Zebrafish Heart", <u>Anatom. Rec.</u> , 260:148-157 (2000)					
	B18	Hwang et al., "The Zebrafish BMP4 Gene: Sequence Analysis and Expression Pattern During Embryonic Development", <u>DNA Cell Biol.</u> , 16:1003-1011 (1997)					
	B19	Jones et al., "Involvement of Bone Morphogenetic Protein-4 (BMP-4) and Vgr-1 in morphogenesis and neurogenesis in the mouse", <u>Development</u> , 111:531-542 (1991)					
	B20	Ju et al., "Faithful Expression of Green Fluorescent Protein (GFP) in Transgenic Zebrafish Embryos Under Control of Zebrafish Gene Promoters", <u>Dev. Genet.</u> , 12:158-167 (1999)					
	B21	Marini et al., "Presistence and Replication of Plasmid DNA Microinjected into Early Embryos of <i>Xenopus laevis</i> ", <u>Dev. Biol.</u> , 127:421-434 (1988)					
↓	B22	Martinez-Barbera et al., "Cloning and expression of three members of the zebrafish Bmp family: Bmp2a, Bmp2b and Bmp 4", <u>Gene</u> , 198:53-59 (1977)					
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OTHER ART						
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	B24	Muller et al., "Intronic enhancers control expression of zebrafish <i>sonic hedgehog</i> in floor plate and notochord", <u>Development</u> , 126:2103-2116 (1999)				
	B25	Nikaido et al., "Conservation of BMP signaling in zebrafish mesoderm patterning", <u>Mechanisms of Development</u> , 61:75-88 (1997)				
	B26	Ozkaynak et al., "Osteogenic Protein-2", <u>J. Biol. Chem.</u> , 267:25220-25227 (1992)				
	B27	Park et al., "Analysis of Upstream Elements in the <i>HuC</i> Promoter Leads to the Establishment of Transgenic Zebrafish with Fluorescent Neurons", <u>Dev. Bio.</u> , 227:279-293 (2000)				
	B28	Schilling et al., "Regulation of Left-Right Asymmetries in the Zebrafish by <i>Shh</i> and <i>BMP4</i> ", <u>Dev. Bio.</u> , 210:277-289 (1999)				
	B29	Schultheiss et al., "A role for bone morphogenetic proteins in the induction of cardiac myogenesis", <u>Genes & Dev.</u> , 11:451-462 (1997)				
	B30	Shafizadeh et al., "Transgenic Zebrafish Expressing Green Fluorescent Protein", <u>Methods in Molecular Biology</u> , 183:225-233				
	B31	Stuart et al., "Replication, integration and stable germ-line transmission of foreign sequences injected into early zebrafish embryos", <u>Development</u> , 103:403-412 (1988)				
	B32	Stuart et al., "Stable lines of transgenic zebrafish exhibit reproducible patterns of transgene expression", <u>Development</u> , 109:577-584 (1990)				
	B33	Van den Wijngaard et al., "Genomic Organization of the Human Bone Morphogenetic Protein-4 Gene: Molecular Basis for Multiple Transcripts", <u>Biochem. And BioPhys. Res. Comm.</u> , 219:789-794 (1996)				
▼	B34	Yelon et al., "Patterning during organogenesis: genetic analysis of cardiac chamber formation", <u>Cell & Dev. Bio.</u> , 10:93-98 (1999)				

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Examiner Michelle K. Gabe

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